

DPM 6133-1



DESOTO, INC.  
MATERIAL SAFETY DATA SHEET

## SECTION I

DESOTO, INC.  
ADMINISTRATIVE AND RESEARCH CENTER

EMERGENCY TELEPHONE (312) 391-9000

PRODUCT CLASS  
EPOXY

TRADE NAME LO-IR COMPLIANCE PRIMER

1700 S. MT. PROSPECT RD (BOX 5030)  
DES PLAINES, ILLINOIS 60017

CHEMTREC (800) 424-9300

MANUFACTURERS CODE IDENTIFICATION  
515X372

DATE OF PREPARATION 07/01/85

\*\*\*\*\*SECTION II-HAZARDOUS INGREDIENTS\*\*\*\*\*

INGREDIENT [CAS NUMBER]	% BY* WEIGHT	OSHA PEL-PPM	ACGIH TLV-PPM	LEL	VAPOR PRESSURE @ 20 DEG C
TALC NON ASBESTIFORM 14801-96-6	10.0	20MPPCF	2MG/M3 RESPIRABLE	NA	NA
IRON OXIDE PIGMENT [1309-37-1]	5.0	10MG/M3	5 MG/M3 AS FE	NA	NA
STRONTIUM CHROMATE [7889-06-2]	15.0	.1MG/M3	0.05 MG/M3 AS CR	NA	NA
CARBON BLACK [1333-86-4]	< 5.0	3.5MG/M	3 3.5 MG/M3	NA	NA
METHYL N-AMYL KETONE [110-43-0]	10.0	100	50	1.1	2.1
1,1,1-TRICHLOROETHANE [71-55-6]	35.0	350	350	7	100

\* PERCENT BY WEIGHT:  
TO NEAREST 5% FOR SUBSTANCES 5-95%;  
<5.0 FOR SUBSTANCES 1.0-5.0%;

S=SKIN; C=CEILING LIMIT  
NE = NOT ESTABLISHED  
NA = NOT APPLICABLE

\*\*\*\*\*SECTION III-PHYSICAL DATA\*\*\*\*\*

PROPERTY	MEASUREMENT
BOILING RANGE @ 760 MM HG	165.0 TO 300.0 DEG F. 74.0 TO 149.0 DEG C.
VAPOR DENSITY	(X) HEAVIER ( ) LIGHTER THAN AIR
WEIGHT PER GALLON	12.3 LBS.
PERCENT VOLATILE BY VOLUME	59.5
EVAPORATION RATE	( ) FASTER (X) SLOWER THAN ETHER
APPEARANCE AND ODOR	LIQUID, SOLVENT ODOR

## \*\*\*\*\*SECTION IV-FIRE AND EXPLOSION DATA\*\*\*\*\*

DOT CATEGORY COMBUSTIBLE LIQUID FLASH POINT 102.0 DEG F.

OSHA CATEGORY COMBUSTIBLE LIQUID-CLASS II (CLOSED CUP) 38.9 DEG C.

LOWER EXPLOSIVE LIMIT (LEL): SEE SECTION II

EXTINGUISHING MEDIA: USE NATIONAL FIRE PROTECTION ASSOCIATION CLASS B  
EXTINGUISHERS (CARBON DIOXIDE, DRY CHEMICAL OR FOAM).

UNUSUAL FIRE AND EXPLOSION HAZARDS: CLOSED CONTAINERS MAY RUPTURE/EXPLODE  
WHEN EXPOSED TO EXTREME HEAT.

SPECIAL FIRE FIGHTING PROCEDURES: WATER SPRAY MAY BE INEFFECTIVE. COOL  
FIRE EXPOSED CONTAINERS WITH WATER. FOG NOZZLES ARE PREFERRABLE. WEAR  
NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE  
CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

## \*\*\*\*\*SECTION-V REACTIVITY DATA\*\*\*\*\*

STABILITY: ( ) UNSTABLE (X) STABLE

INCOMPATIBILITY (MATERIALS TO AVOID):  
SLOW HYDROLYSIS MAY EVENTUALLY PRODUCE CORROSIVE ACID.

HAZARDOUS DECOMPOSITION PRODUCTS: PRODUCTS OF COMBUSTION ARE HAZARDOUS.  
MAY INCLUDE HYDROGEN CHLORIDE AND POSSIBLY SMALL AMOUNTS OF PHOSGENE AND  
CHLORINE.

HAZARDOUS POLYMERIZATION: ( ) MAY OCCUR (X) WILL NOT OCCUR

CONDITIONS TO AVOID:  
NONE RECOGNIZED.

## \*\*\*\*\*SECTION VI-WASTE DISPOSAL AND ENVIRONMENTAL RELEASES\*\*\*\*\*

ENVIRONMENTAL RELEASES: DEPENDING ON THE QUANTITY AND CIRCUMSTANCES, AN  
UNAUTHORIZED RELEASE OF THIS MATERIAL TO THE ENVIRONMENT MAY BE REPORTABLE  
UNDER FEDERAL LAW TO THE NATIONAL RESPONSE CENTER (800-424-8802). STATE AND  
LOCAL GOVERNMENTS MAY ALSO HAVE REPORTING REQUIREMENTS OF WHICH YOU SHOULD  
BE AWARE.

REMOVE ALL SOURCES OF IGNITION. WEAR PERSONAL PROTECTIVE EQUIPMENT TO AVOID  
BREATHING VAPORS AND SKIN AND EYE CONTACT WITH THE SPILLED MATERIAL. USE  
NON-SPARKING TOOLS. FOR SMALL SPILLS, DIKE AND ABSORB WITH INERT MATERIAL.  
USE EMERGENCY RESPONSE PROFESSIONALS IF MANAGING A RELEASE IS BEYOND THE  
CAPABILITY OF IN-HOUSE PERSONNEL.

WASTE DISPOSAL: THIS MATERIAL IS CLASSIFIED AS AN IGNITABLE HAZARDOUS WASTE.  
WHEN AFFECTING ITS DISPOSAL, INSURE THAT IT IS PACKAGED, STORED, TRANSPORTED AND  
OTHERWISE MANAGED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL HAZARDOUS  
WASTE LAWS AND REGULATIONS. NO DISPOSAL METHOD IS TO USED WHICH WOULD POSE  
AN ENVIRONMENTAL OR HUMAN HEALTH THREAT, INCLUDING ANY WHICH WOULD CONTAMINATE  
GROUND OR SURFACE WATERS.

## \*\*\*\*\*SECTION VII-HEALTH HAZARD DATA\*\*\*\*\*

THRESHOLD LIMIT VALUE: SEE SECTION II (NOT ESTABLISHED FOR PRODUCT)

EFFECTS OF OVEREXPOSURE:

INHALATION:

EXPOSURE MAY CAUSE NASAL AND RESPIRATORY IRRITATION AND ACUTE CENTRAL NERVOUS SYSTEM DEPRESSION CHARACTERIZED BY HEADACHE, DIZZINESS, STAGGERING GAIT, CONFUSION OR UNCONSCIOUSNESS. ASPHYXIATION MAY RESULT FROM BREATHING OXYGEN DEFICIENT AIR.

SKIN CONTACT:

PROLONGED OR REPEATED CONTACT MAY CAUSE IRRITATION, DEFATTING OR DERMATITIS.

EYE CONTACT:

PRIMARY IRRITATION.

INGESTION:

MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

OTHER HEALTH EFFECTS: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. EFFECTS INCLUDE CONCENTRATION DIFFICULTIES, DIMINISHED MANUAL DEXTERITY AND MEMORY LOSS.

OTHER HEALTH EFFECTS: THE HEXAVALENT CHROMIUM COMPOUND CONTAINED IN THIS PRODUCT IS RECOGNIZED TO HAVE CARCINOGENIC POTENTIAL.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION:

REMOVE FROM EXPOSURE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION OR CARDIOPULMONARY RESUSCITATION (CPR) IF REQUIRED. IF BREATHING IS DIFFICULT, GIVE OXYGEN. KEEP WARM AND QUIET. GET MEDICAL ATTENTION.

SKIN CONTACT:

WASH AFFECTED AREAS WITH SOAP AND WATER. DO NOT USE SOLVENTS. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. GET MEDICAL ATTENTION.

EYE CONTACT:

FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

INGESTION:

GET MEDICAL ATTENTION.

## \*\*\*\*\*SECTION VIII-SPECIAL PROTECTION INFORMATION\*\*\*\*\*

RESPIRATORY PROTECTION: IN AREAS WHERE TLVS IN SECTION II MAY BE EXCEEDED OR IF SPRAY MIST IS PRESENT, USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION APPROPRIATE FOR INDICATED COMPONENTS. IN CONFINED AREAS USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATORS. FOLLOW RESPIRATOR MANUFACTURERS DIRECTIONS AND OSHA REGULATIONS (29 CFR 1910.134) FOR RESPIRATOR USE.

VENTILATION: WHERE EMPLOYEES MAY BE EXPOSED, PROVIDE GENERAL DILUTION OR LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP LEVEL OF HAZARDOUS INGREDIENTS IN SECTION II BELOW RECOMMENDED (ACGIH TLV) OR REGULATE D (OSHA PEL) LIMIT. WHERE EMPLOYEES WILL NOT BE EXPOSED, KEEP LEVEL BELOW 25% OF LEL IN SECTION II.

PROTECTIVE GLOVES: WEAR CHEMICALLY RESISTANT GLOVES.

EYE PROTECTION: SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES

OTHER PROTECTIVE EQUIPMENT: AVOID SKIN CONTACT BY USE OF OTHER PROTECTIVE CLOTHING. A SAFETY SHOWER, AN EYE BATH AND WASHING FACILITIES SHOULD BE AVAILABLE.

## \*\*\*\*\*SECTION IX-SPECIAL PRECAUTIONS\*\*\*\*\*

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:  
KEEP CONTAINER TIGHTLY CLOSED. KEEP AWAY FROM HEAT, SPARKS AND FLAME.  
CONTACT BETWEEN 1,1,1-TRICHLOROETHANE AND LIQUID HANDLING EQUIPMENT CONSTRUCTED OF ALUMINUM MAY CAUSE AN EXPLOSIVE REACTION. CONSULT EQUIPMENT SUPPLIER TO BE CERTAIN THAT THE EQUIPMENT USED TO HANDLE THIS MATERIAL IS COMPATIBLE WITH 1,1,1-TRICHLOROETHANE.

OTHER PRECAUTIONS:  
EMPTY DRUMS MAY CONTAIN EXPLOSIVE VAPORS. DO NOT CUT, PUNCTURE OR WELD ON OR NEAR DRUM.  
DO NOT TAKE INTERNALLY. DO NOT DELIBERATELY CONCENTRATE THIS PRODUCT AND INHALE THE VAPORS. PREVENT PROLONGED CONTACT WITH CONTAMINATED CLOTHING WASH CONTAMINATED CLOTHING BEFORE REUSE.  
VAPORS OF THIS PRODUCT ARE HEAVIER THAN AIR AND MAY COLLECT IN LOW OR CONFINED AREAS. DO NOT ENTER SUCH AREAS WITH FOLLOWING APPROPRIATE PROCEDURES INCLUDING AIR MONITORING, USE OF SUPPLIED AIR IF NECESSARY AND THE PRESENCE OF AN OBSERVER FOR ASSISTANCE.

DO NOT SAND, FLAME CUT, BRAZE OR WELD THE DRY COATING WITHOUT NIOSH APPROVED RESPIRATOR OR APPROPRIATE VENTILATION.

OBSERVE PRECAUTIONARY LABEL WARNINGS.

PREPARED BY S. M. STEVENSON  
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